



Product Evaluation

DR699 | 1014

Engineering Services Program

The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

For more information, contact TDI Engineering Services Program at (800) 248-6032.

Evaluation ID: DR-699

Effective Date: September 1, 2014

Re-evaluation Date: November 2015

Product Name: Custom Aluminum Clad Wood 10' Glazed Outswing Hinged Doors,
Impact Resistant

Manufacturer: JELD-WEN Windows & Doors
62845 Boyd Acres Road
Bend, OR 97701
(800) 547 – 6880

General Description:

This evaluation report includes the following hinged door assemblies:

- french door with fixed door and operable door (OXXX, XXXO)
- french door with two fixed doors (OXXO)
- french door with fixed door (OXX, XXO)
- single door with two fixed doors (OXO)
- french door (XX)
- french door radius half round or radius sector top (XX)
- single door (X)
- single door radius half round or radius sector top (X).

Product Identification (Certification Agency Label on Door):

System		
1	Certification Agency	WDMA
	Product Name	JELD-WEN
	Manufacturer's Name or Code Name	Custom Clad Impact Outswing French 2-1/4 Door
	Product Name	Size Tested: 177.1875x122.125; DP +55/-65
	Test Standards	ASTM E 330-02 ASTM E 1886-05 ASTM E 1996-06

Design Drawings: Install the door assemblies in accordance with the following drawing:

Drawing No. JW024, titled "Custom Clad 10'0 Tall Wood Outswing Patio Doors (Impact)," Sheets 1 thru 13 of 13 dated December 17, 2012, signed and sealed by Alexis Spyrou, P.E on July 14, 2014. This evaluation report refers to the stated drawings as the approved drawings.

Product dimensions: The approved drawings specify the door-frame dimensions, door-panel dimensions, and daylight opening sizes.

Design pressure (DP): Maximum allowable design pressure: +55 psf, -65 psf.

Hardware: the approved drawings specify the requirements for the 3-point lock, latch and dead bolt strikes, shoot bolt strikes, and hinges.

Impact Resistance:

System	Impact Resistant	Requirement
1	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone . Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

Installation:

Wall Framing Construction: Mount the aluminum glazed outswing hinged door assemblies to several types of wall framing construction. The types of wall framing construction allowed include:

- concrete (minimum compressive strength: 3,000 psi)
- wood dimension lumber (minimum Spruce-Pine-Fir)
- grout-filled CMU (ASTM C-90, minimum compressive strength: 2,000 psi)
- hollow block CMU (ASTM C-90, minimum compressive strength: 2,000 psi).

Installation Requirements:

- refer to sheet 1 of the approved drawings for the installation notes and general notes
- refer to sheets 2, 3, and 4 of the approved drawings for elevations and anchor layouts
- refer to sheet 5 of the approved drawings for vertical section details
- refer to sheet 6 of the approved drawings for horizontal section details
- refer to sheet 7 of the approved drawings for horizontal section and mullion clip details
- refer to sheet 12 of the approved drawings for shoot bolt strike details
- refer to sheet 13 of the approved drawings for latch and dead bolt strike details.

- Refer to the approved drawings for the minimum embedment depths for the fasteners and the minimum edge distances (minimum distance fastener must be from the edge of the substrate material) for the fasteners.

Note: The manufacturer's installation instructions must be available on the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.